

Recovery Plan Action Status

Plan Name: Nichol's Turk's-head Cactus

Plan Status: Final

Plan Date: 14-Apr-86

Lead Agency: USFWS

Lead Office: Arizona Ecological Services Field Office

(2602)

242-0210)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	1	111,112,113	Enforce existing regulations	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, State of Arizona, U.S. Fish and Wildlife Service, Law Enforcement Division, Bureau Land Management , U.S. Fish and Wildlife Service, Office of Endangered Species, Bureau of Indian Affairs, USFWS Regional Office 2, Papago Indian Reservation	Other: Law Enforcement	Internal Technical Assistance	
Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	1	121	Withdraw suitable habitat from operation of mining laws	Complete	Prior to FY 1995	FY 1995 - FY 1999	Bureau Land Management	Management: Land Use	Internal Technical Assistance	All occupied habitat on BLM lands have been withdrawn from mineral entry.
Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	2	122	Monitor populations and habitat on BLM lands	Ongoing Not Current	Prior to FY 1995		Bureau Land Management , U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 2	Research: Demographic Studies	Contract	The dates given are monitoring data we have received sporadically from different sources, BLM, consultants, and volunteers.
Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	2	123	Consolidate Federal ownership of habitat in Watermar Mountains	Unknown			Bureau Land Management	Work type not yet selected	Labor type not yet selected	
Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	1	124	Develop ORV designation	Unknown			Bureau Land Management	Work type not yet selected	Labor type not yet selected	
Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	2	125	Designate ACEC	Complete	FY 1995 - FY 1999	FY 1995 - FY 1999	Bureau Land Management	Management: Land Use	Internal Field Assistance	

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Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	1	126	Prohibit surface occupancy and removal of saleable minerals in Waterman Mountains	Unknown			Bureau Land Management	Work type not yet selected	Labor type not yet selected	
Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	2	127	Survey and monitor populations and habitat on State and BIA lands	Ongoing Not Current	FY 1995 - FY 1999	FY 2000 - FY 2004	U.S. Fish and Wildlife Service, Office of Endangered Species, Bureau of Indian Affairs, USFWS Regional Office 2, Papago Indian Reservation	Research: Population Surveys	Contract	Section 6 grant to private consultant to work with Tohono staff on locating population of cacti on TO lands.
Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	1	128	Seek cooperation of BIA	Not Started			U.S. Fish and Wildlife Service, Office of Endangered Species, Bureau of Indian Affairs, USFWS Regional Office 2, Papago Indian Reservation	Work type not yet selected	Labor type not yet selected	
Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	2	131	Survey and monitor populations and habitat on State of Arizona lands	Not Started			State of Arizona, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 2	Work type not yet selected	Labor type not yet selected	
Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	2	132	Determine State of Arizona Land Department responsibilities on leased lands	Not Started			State of Arizona	Work type not yet selected	Labor type not yet selected	
Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	3	133	Seek cooperation of State of Arizona	Not Started			State of Arizona, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 2	Work type not yet selected	Labor type not yet selected	
Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	2	141	Survey and monitor populations on private lands	Not Started			U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 2	Work type not yet selected	Labor type not yet selected	

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Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	3	142	Seek cooperation of private landowners	Not Started			U.S. Fish and Wildlife Service, Division of Realty, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 2	Work type not yet selected	Labor type not yet selected	
Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	2	21	Study ecological requirements	Partially Complete	FY 1995 - FY 1999	FY 2000 - FY 2004	U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 2	Research: Habitat Requirements	Contract	Some work completed as part of Section 6 grant.
Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	2	22	Study population biology	Partially Complete	FY 1995 - FY 1999	FY 2000 - FY 2004	U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 2	Research: Demographic Studies	Contract	Some work completed as part of the section 6 grant.
Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	2	23	Search suitable habitat	Complete	FY 1995 - FY 1999	FY 2000 - FY 2004	State of Arizona, Bureau Land Management , U.S. Fish and Wildlife Service, Office of Endangered Species, Bureau of Indian Affairs, USFWS Regional Office 2	Research: Population Surveys	Contract	Lot of survey work completed as part of section 6 grant.
Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	3	31-34	Develop a cactus trade management plan	Not Started			U.S. Fish and Wildlife Service, Law Enforcement Division, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 2	Work type not yet selected	Labor type not yet selected	
Nichol's Turk's head cactus (Echinocactus horizonthalonius var. nicholii)	3	4	Develop public awareness	Not Started			U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 2	Work type not yet selected	Labor type not yet selected	